



National Weather Service

Storm Data and Unusual Weather Phenomena



March 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ILLINOIS, Northwest

ILZ001>002-007-009-015>018-024>026-034>035 Jo Daviess - Stephenson - Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - McDonough

01	1700CST	0	0	Winter Storm
03	0400CST			

March roared in like a lion. A late season winter storm gathered strength as it moved from the Southern Plains into the Lower Ohio Valley. Just days earlier an arctic front blew through the region sending temperatures plummeting. As the storm system approached, low level southerly winds pumped abundant gulf moisture up and over this shallow cold airmass, resulting in heavy snow. Storm total accumulations ranged from 3 to 8 inches, with the heaviest occurring mainly north of Highway 34. Warmer air also surged northward, resulting in the snow changing to rain or a mixture of rain and sleet for a while south of Highway 34, reducing storm total accumulations in this area. Slippery roads lead to numerous minor traffic accidents. Also, the snow forced postponement or cancellation of many events. As the storm system began to depart late Saturday, strong northwest winds on the backside enveloped the region sending wind chills plummeting into the single digits and teens below zero. Blowing and drifting snow was also reported.

**Hancock County
Dallas City to
Nauvoo**

09	0233CST	0	0	Thunderstorm Wind (G70) ^M
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**Hancock County
Durham**

09	0240CST	0	0	Thunderstorm Wind (G61)
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Many tree limbs and several large trees down.

**Henderson County
Terre Haute**

09	0245CST	0	0	Thunderstorm Wind (G52)
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Tree limbs down.

**McDonough County
Macomb**

09	0300CST	0	0	Thunderstorm Wind (G70)
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Major damage to a factory roof on the west edge of the city. A large section of the roof was removed. Also, a block wall and several sprinkler pipes were damaged. One 2x8 piece of wood from the damaged roof was tossed 60 feet and pierced the roof on another section of the factory.

**McDonough County
Macomb**

09	0300CST	0	0	Thunderstorm Wind (G52)
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Part of a chimney was blown off a residence.

**Mercer County
Aledo**

09	0300CST	0	0	Thunderstorm Wind (G70)
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A homestead in rural Aledo suffered heavy damage. High winds shattered windows and destroyed a barn, three empty grain storage bins, a fence, several dog houses and a children's swing set.

**Mercer County
1 W Hamlet**

09	0300CST	0	0	Thunderstorm Wind (G61)
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Garage torn off house, barn destroyed and large trees snapped.

**Rock Island County
Reynolds**

09	0300CST	0	0	Thunderstorm Wind (G61)
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Two machine sheds collapsed.



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ILLINOIS, Northwest

Warren County

Roseville	09	0300CST			0	0			Thunderstorm Wind (G52)
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Several 6 to 8 inch diameter tree limbs down.

Rock Island County

Coal Vly	09	0310CST			0	1			Thunderstorm Wind (G52)
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Window blown out of a residence. Flying debris injured a woman.

Mercer County

3 SE Norwood	09	0315CST			0	0			Thunderstorm Wind (G52)
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Power lines down.

Henry County

Atkinson	09	0340CST			0	0			Thunderstorm Wind (G52)
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Large tree toppled, and 20 foot boat overturned

A strong arctic front extended from Central Wisconsin into Northwest Missouri early Friday morning. Temperatures across the front at 6 A.M. Friday ranged from the middle 20s in the far Northwest Iowa to the middle and upper 50s in Northwest and West Central Illinois. Much colder air was poised to the north of the region with temperatures in the single digits and teens in the Northern Plains. This arctic front and the large temperature gradient across it combined with a vigorous upper level disturbance ejecting from the Southwestern United States to ignite severe thunderstorms. Initial development occurred from Central Iowa into North Central Missouri late Friday afternoon and evening. These storms then evolved into a squall line, which raced eastward through much of Northwest and West Central Illinois during the overnight and early morning on Saturday, producing many reports of wind damage. Most of the damage occurred along and south of Interstate 80, where winds ranged from 60 to 80 mph. One woman was injured in Coal Valley in Rock Island County when she was hit by flying debris in her home.

ILZ002-009-015>016-024 Stephenson - Whiteside - Rock Island - Henry - Mercer

09	1300CST 1600CST			0	0				High Wind (G49) ^M
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Light pole at the Freeport High School football field knocked down. Peak wind gust of 56 mph measured in Freeport.

Strong winds associated with an intense low pressure system, produced some damage across portions of Northwest and West Central Illinois. Wind speeds were generally in the range of 30 to 40 mph, with gusts of 50 to 60 mph.

IOWA, East Central and Southeast

IAZ040>042-051>054-063>068-076>078-087>089-098>099 Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton - Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee

01 03	1500CST 0200CST			0	0				Winter Storm
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March roared in like a lion. A late season winter storm gathered strength as it moved from the Southern Plains into the Lower Ohio Valley. Just days earlier an arctic front blew through the region sending temperatures plummeting. As the storm system approached, low level southerly winds pumped abundant gulf moisture up and over this shallow cold airmass, resulting in heavy snow. Storm total accumulations ranged from 3 to 8 inches, with the heaviest occurring mainly north of Highway 34. Warmer air also surged northward, resulting in the snow changing to rain or a mixture of rain and sleet for a while south of Highway 34, reducing storm total accumulations in this area. Slippery roads lead to numerous minor traffic accidents. Also, the snow forced postponement or cancellation of many events. As the storm system began to depart late Saturday, strong northwest winds on the backside enveloped the region sending wind chills plummeting into the single digits and teens below zero. Blowing and drifting snow was also reported.



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					Killed	Injured	Property		
<u>IOWA, East Central and Southeast</u>									
Iowa County									
Victor	09	0105CST			0	0			Thunderstorm Wind (G52)
Jefferson County									
Fairfield	09	0130CST			0	0			Thunderstorm Wind (G52)
			Large tree uprooted in Chautauqua Park.						
Van Buren County									
Keosauqua	09	0130CST			0	0			Thunderstorm Wind (G52)
Henry County									
2 N Salem	09	0150CST			0	0			Thunderstorm Wind (G61)
			Barn destroyed.						
Henry County									
Salem	09	0150CST			0	0			Thunderstorm Wind (G61)
			Several large tree limbs down.						
Washington County									
Washington	09	0150CST			0	0			Thunderstorm Wind (G57)
			Tree limbs down, and shingles torn off several buildings.						
Washington County									
Ainsworth	09	0200CST			0	0			Thunderstorm Wind (G57)
			Numerous tree limbs down, and shingles torn off buildings.						
Linn County									
1 E Fairfax	09	0208CST			0	0			Hail(0.75)
Lee County									
Donnellson	09	0215CST			0	0			Thunderstorm Wind (G61)
			Barn destroyed.						
Lee County									
1 N Keokuk	09	0215CST			0	0			Thunderstorm Wind (G70)
			Just north of Keokuk along Highway 218, a barn completely collapsed and another one was pushed off it's foundation. Also, a garage was destroyed, several billboards were damaged, and a trailer was overturned.						
Linn County									
Cedar Rapids	09	0215CST			0	0			Thunderstorm Wind (G52)
			Large 40 foot tree toppled. The tree was estimated at 120 years old.						
Lee County									
Ft Madison	09	0220CST			0	0			Thunderstorm Wind (G52)
			Tree limbs and power lines down.						
Johnson County									
Hills	09	0225CST			0	0	200K		Thunderstorm Wind



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IOWA, East Central and Southeast

A property suffered heavy damage. A large sliding door to a metal building was blown down and destroyed, a fence was damaged, a semi-trailer was tipped over and moved, the tin roof on an old shed was torn off, and an empty grain elevator was tipped over and moved. Additionally, many water tanks and other supplies that were piled around had been jumbled and thrown around. The owner credited some rail cars parked along the west side of the property with limiting the damage by providing a break from the wind. Also, a pole building on an adjacent lot northeast of the property was upended and destroyed with tractors and other equipment inside. The equipment suffered damage but was still driveable. Across the street from the pole building, a residence lost a chimney. Just east of that residence, was another residence which suffered the most damage seen in town. The home had damage on all four sides with windows broken out, siding damaged, a chimney destroyed, shingles removed and roof damage. A child was asleep in a first floor bedroom when the home was damaged. The mother reported that it was very difficult opening the door to the bedroom because of the force of the wind. The child was in bed with broken glass throughout the room and in the bed, but luckily there were no injuries. There was mud and debris plastered on the walls and in the room. Also, there was an old truck parked on a street on the east side of the home that was pushed into another vehicle parked nearby. Power lines were down, and the home was without power until 4:30 pm Saturday. Across the street from this residence was another home which suffered some roof damage, damage to a chimney and a playhouse which was tipped over and moved. There were also trees down throughout town.

Lee County Sandusky

09 0225CST **0** **0** **Thunderstorm Wind (G70)**
Trailer blown off road, and roof torn off building.

Cedar County Cedar Bluff

09 0230CST **0** **0** **Thunderstorm Wind (G61)**
A large tree was uprooted and fell on a cabin, while a roof was blown off another cabin. A metal shed was also destroyed on another property.

Cedar County 3 W Clarence

09 0230CST **0** **0** **Thunderstorm Wind (G61)**
The roofs were blown off 2 buildings at a farmstead.

Cedar County Tipton

09 0230CST **0** **0** **50K** **Thunderstorm Wind (G61)**
The Tipton Country Club suffered heavy damage. A large cart shed was destroyed and blown into a parking area south of the clubhouse. Damage to the carts in the shed was minor. Several large trees were blown down. A roof was peeled back on another shed, holes were punched in a third shed, the roof was blown off a small structure next to the pool, and approximately 9 trees were damaged or destroyed. At Country Estates, the skirting was blown off several homes, and a roof was blown off a barn.

Des Moines County Burlington

09 0230CST **0** **0** **Thunderstorm Wind (G52)^M**

Des Moines County West Burlington

09 0230CST **0** **0** **Thunderstorm Wind (G52)**
Tree limbs and power lines down.

Des Moines County Burlington

09 0235CST **0** **0** **Thunderstorm Wind (G52)**
Several large tree limbs down along Sycamore Street

Jones County Oxford Jct

09 0255CST **0** **0** **Thunderstorm Wind (G57)^M**
Windows blown out of a house, and several tree limbs 6 to 8 inches in diameter knocked down



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IOWA, East Central and Southeast

Scott County

Davenport	09	0300CST			0	0			Thunderstorm Wind (G61)
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Several mobile homes damaged in Northwest Davenport.

A strong arctic front extended from Central Wisconsin into Northwest Missouri early Friday morning. Temperatures across the state of Iowa at 6 A.M. Friday ranged from the middle 20s in the far northwest to the middle and upper 50s in the far southeast. Much colder air was poised to the north of the state with temperatures in the single digits and teens in the Northern Plains. This arctic front and the large temperature gradient across it combined with a vigorous upper level disturbance ejecting from the Southwestern United States to ignite severe thunderstorms. Initial development occurred in Central Iowa late Friday afternoon and evening. These storms then evolved into a squall line, which raced eastward through much of Eastern Iowa during the overnight and early morning on Saturday, producing numerous reports of wind damage. The most significant damage was concentrated in two areas, one from Johnson County into portions of Jones and Cedar Counties, and the other in Southeast Iowa generally along and south of Highway 34. Winds were generally in the 60 mph to 80 mph range. With the frontal passage, temperatures plummeted some 20 degrees over a period of a few hours, causing any lingering rain to briefly change over to sleet or a mixture of sleet, snow and freezing rain mainly north of Interstate 80.

IAZ040>041-051>053

Buchanan - Delaware - Benton - Linn - Jones

09	1015CST				0	0			Blizzard
	1400CST								

Intensifying low pressure moving into the Ohio Valley produced very strong winds sustained at 30 mph with gusts to over 45 mph. These strong winds combined with light to moderate snow to produce ground blizzard conditions in many open areas in Northeast Iowa along and north of Highway 30. The highest peak wind gust recorded was 68 mph in Winthrop in Buchanan County. Other peak wind gusts included 58 mph in Cedar Rapids in Linn County, 55 mph in Monticello in Jones County, 53 mph in Jessup in Buchanan County, and 51 mph at Independence in Buchanan County.

IAZ042-066-068-088-098

Dubuque - Clinton - Scott - Henry - Van Buren

09	1300CST				0	0			High Wind (G51)^M
	1600CST								

The main sign at the Menards Store along Highway 20 was blown down. Also, street lights were damaged and tree limbs knocked down. Peak wind gust of 58 mph measured in Dubuque.

Strong winds associated with an intense low pressure system, produced some damage across portions of Eastern Iowa. Wind speeds were generally in the range of 30 to 40 mph, with gusts of 50 to 60 mph.

MISSOURI, Northeast

Clark County

5 E Wayland	09	0145CST			0	0			Thunderstorm Wind (G61)
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Top of grain bin blown off.

Clark County

Wyaconda	09	0145CST			0	0			Thunderstorm Wind (G61)
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Trees down.



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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

MISSOURI, Northeast

Scotland County

11 SE Memphis

09 0145CST

0

0

Thunderstorm Wind (G61)

Machine shed damaged.

A strong arctic front extended from Central Wisconsin into Northwest Missouri early Friday morning. Temperatures across the front at 6 A.M. Friday ranged from the middle 20s in the far Northwest Iowa to the middle and upper 50s in Northeast Missouri. Much colder air was poised to the north of the region with temperatures in the single digits and teens in the Northern Plains. This arctic front and the large temperature gradient across it combined with a vigorous upper level disturbance ejecting from the Southwestern United States to ignite severe thunderstorms. Initial development occurred from Central Iowa into North Central Missouri late Friday afternoon and evening. These storms then evolved into a squall line, which raced eastward through much of Northeast Missouri during the overnight and early morning on Saturday, producing several reports of wind damage.